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Ala His Lys Ser Ile Gly Leu Glu Leu Gln Phe Ser Ile Pro Arg Leu 65 70 75 80

Arg Gln Ile Gly Pro Gly Glu Ser Cys Pro Asp Gly Val Thr His Ser 85 90 95

Ile Ser Gly Arg Ile Asp Ala Thr Val Val Arg Ile Gly Thr Phe Cys
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Ser Asn Gly Thr Val Ser Arg Ile Lys Met Gln Glu Gly Val Lys Met 115 120 125

Ala Leu His Leu Pro Trp Phe His Pro Arg Asn Val Ser Gly Phe Ser 130 135 140

Ile Ala Asn Arg Ser Ser Ile Lys Arg Leu Cys Ile Ile Glu Ser Val 145 150 155 160

Phe Glu Gly Glu Gly Ser Ala Thr Leu Met Ser Ala Asn Tyr Pro Glu 165 170 175

Gly Phe Pro Glu Asp Glu Leu Met Thr Trp Gln Phe Val Val Pro Ala 180 185 190

His Leu Arg Ala Ser Val Ser Phe Leu Asn Phe Asn Leu Ser Asn Cys 195 200 205

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Asn Pro Glu Val Phe Lys Leu Glu Asp Lys Gln Pro Gly Asn Met Ala 225 230 235 240 Gly Asn Phe Asn Leu Ser Leu Gln Gly Cys Asp Gln Asp Ala Gln Ser 245 250 255

Pro Gly Ile Leu Arg Leu Gln Phe Gln Val Leu Val Gln His Pro Gln 260 265 270

Asn Glu Ser Asn Lys Ile Tyr Val Val Asp Leu Ser Asn Glu Arg Ala 275 280 285

Met Ser Leu Thr Ile Glu Pro Arg Pro Val Lys Gln Ser Arg Lys Phe 290 295 300

Val Pro Gly Cys Phe Val Cys Leu Glu Ser Arg Thr Cys Ser Ser Asn 305 310 315 320

Leu Thr Leu Thr Ser Gly Ser Lys His Lys Ile Ser Phe Leu Cys Asp 325 330 335

Asp Leu Thr Arg Leu Trp Met Asn Val Glu Lys Thr Ile Ser Cys Thr 340 345 350

Asp His Arg Tyr Cys Gln Arg Lys Ser Tyr Ser Leu Gln Val Pro Ser 355 360 365

Asp Ile Leu His Leu Pro Val Glu Leu His Asp Phe Ser Trp Lys Leu 370 375 380

Leu Val Pro Lys Asp Arg Leu Ser Leu Val Leu Val Pro Ala Gln Lys 385 390 395 400

Leu Gln Gln His Thr His Glu Lys Pro Cys Asn Thr Ser Phe Ser Tyr 405 410 415

Leu Val Ala Ser Ala Ile Pro Ser Gln Asp Leu Tyr Phe Gly Ser Phe 420 425 430

Cys Pro Gly Gly Ser Ile Lys Gln Ile Gln Val Lys Gln Asn Ile Ser 435 440 445

Val Thr Leu Arg Thr Phe Ala Pro Ser Phe Gln Glu Ala Ser Arg 450 455 460

Gln Gly Leu Thr Val Ser Phe Ile Pro Tyr Phe Lys Glu Glu Gly Val 465 470 475 480

Phe Thr Val Thr Pro Asp Thr Lys Ser Lys Val Tyr Leu Arg Thr Pro 485 490 495

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Pro Lys Pro Ser Phe His His Ser Phe Trp Val Asn Ile Ser Asn 565 570 575

Cys Ser Pro Thr Ser Gly Lys Gln Leu Asp Leu Leu Phe Ser Val Thr 580 585 590

Leu Thr Pro Arg Thr Val Asp Leu Thr Val Ile Leu Ile Ala Ala Val 595 600 605

Gly Gly Val Leu Leu Leu Ser Ala Leu Gly Leu Ile Ile Cys Cys 610 615 620

Val Lys Lys Lys Lys Lys Thr Asn Lys Gly Pro Ala Val Gly Ile 625 630 635 640

Tyr Asn Gly Asn Ile Asn Thr Glu Met Pro Gly Ser Gln Lys Ser Phe 645 650 655

Arg Lys Gly Glu Arg Thr Met Thr Pro Met Cys Met Gln Ser Ser Arg 660 665 670

Thr Pro Trp Tyr Met Gly Ile Cys Tyr Arg Ile Pro Ala Ala Pro Ser 675 680 685

Cys Ser Gln Arg Trp Thr Pro Thr Gly Arg Ser Arg Ala Pro Trp Gly 690 695 700

Ser Val Leu Pro Pro His Pro Pro Tyr Ala Pro Gly Pro Gln Leu Gln 705 710 715 720

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